

Serial No. 10/749,463

Group Art Unit: 1733

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A method for foaming glue for the production of wood-based sheets, in which a gluing substance and a gas are brought into contact with one another and the gluing substance is foamed mechanically with the aid of the gas, wherein the gluing substance and the gas are mixed into an essentially homogeneous mixture prior to foaming, wherein the gluing substance and the gas are mixed by spraying them together as several directed partial flows such that a largest possible contact surface area is produced between the gluing substance and the gas.
2. (Cancelled)
3. (Previously Presented) A method according to claim 1, wherein the gluing substance and the gas are sprayed in a circular way such that the gluing substance is fed essentially from a center and the gas from a ring around the gluing substance feed with the gluing substance and gas sprays being directed such that the gluing substance and the gas are brought into contact with one another.
4. (Previously Presented) A method according to claim 1, wherein the gluing substance and the gas are sprayed in a circular way such that the gas is fed essentially from a center and the gluing substance from a ring around the gas feed with the gluing substance and gas sprays being directed such that the gluing substance and the gas are brought into contact with one another.
5. (Previously Presented) A method according to claim 1, wherein the gas comprises air.
6. (Previously Presented) A method according to claim 1, wherein the gluing substance comprises a composition that contains resin, foaming agent, filling agent, and/or hardener.
- 7-12. (Cancelled)

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13. (New) A method for foaming glue for the production of wood-based sheets, in which a gluing substance and a gas are brought into contact with one another and the gluing substance is foamed mechanically with the aid of the gas, wherein the gluing substance and the gas are mixed into an essentially homogeneous mixture prior to foaming, wherein the gluing substance and the gas are sprayed in a circular way such that the gluing substance is fed essentially from a center and the gas from a ring around the gluing substance feed with the gluing substance and gas sprays being directed such that the gluing substance and the gas are brought into contact with one another.

14. (New) A method according to claim 13, wherein the gluing substance and the gas are mixed by spraying them together as several directed partial flows such that a largest possible contact surface area is produced between the gluing substance and the gas.

15. (New) A method according to claim 13, wherein the gas comprises air.

16. (New) A method according to claim 13, wherein the gluing substance comprises a composition that contains resin, foaming agent, filling agent, and/or hardener.

17. (New) A method for foaming glue for the production of wood-based sheets, in which a gluing substance and a gas are brought into contact with one another and the gluing substance is foamed mechanically with the aid of the gas, wherein the gluing substance and the gas are mixed into an essentially homogeneous mixture prior to foaming, wherein the gluing substance and the gas are sprayed in a circular way such that the gas is fed essentially from a center and the gluing substance from a ring around the gas feed with the gluing substance and gas sprays being directed such that the gluing substance and the gas are brought into contact with one another.

18. (New) A method according to claim 17, wherein the gluing substance and the gas are mixed by spraying them together as several directed partial flows such that a largest possible contact surface area is produced between the gluing substance and the gas.

19. (New) A method according to claim 17, wherein the gas comprises air.

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20. (New) A method according to claim 17, wherein the gluing substance comprises a composition that contains resin, foaming agent, filling agent, and/or hardener.